coming of this method is the non-uniformity of the tuning curve and the tuning range is not large. Better results are obtained by altering the length of the lines. From the graphs of Figures 2 or 3, the dimensions of the resonator which will give the required impedance of the equivalent circuit can be found. The formula for the tuning curve is then derived. The shape of the tuning curve is analysed by use of an example and the solution is obtained from the graphs of Figure 8 (for $K = 0.53$). The results are presented in Figure 9. The tuning curve is reasonably uniform and ensures a larger range with small change of the equivalent impedance. An application of the theory is given There are 9 figures and 2 Soviet references.

SUBMITTED: April 26, 1957

Card 5/5 1. Amplifier circuits--Design 2. Amplifiers--Performance

MINASHIN, V.P

PHASE I BOOK EXPLOITATION SOV/3550

Borodich, Sergey Vladimirovich, Vladimir Pavlovich Minashin, and Arseniy Vasil'yevich Sokolov

Radioreleynaya svyaz' (Radio Relay Communications) Moscow, Svyaz'-izdat, 1960. 434 p. Errata slip inserted. 17,000 copies printed.
Resp. Ed.: S.V. Borodich; Ed.: V.I. Bashchuk; Tech. Ed.: K.G. Markoch.

PURPOSE: This is a textbook approved by the Ministry of Communications, USSR, for use in communications tekhnikums. It was prepared in accordance with the program of the course "Radio Relay Communications."

COVERAGE: The book describes the fundamentals of radio relay communications, the structure of all the components of a radio relay line, principles of design of radio relay lines, and the electrical characteristics of communication channels and methods of measuring them. Particular attention is paid to radio relay communication systems using frequency-division multiplexing and frequency modulation, systems considered the most promising and

Card 1/8

most extensively used in practice. Systems using time-division multiplexing and pulse modulation are discussed to the extent necessary to familiarize students with the principles of their operation and with the basic peculiarities of the equipment's structure. In this textbook the authors' aim is to generalize from vast amounts of material on the theory and the engineering problems of radio relay communications contained in a series of articles by Soviet and non-Soviet authors. The authors also used their own experience gathered in developing the equipment of Soviet radio relay systems and in lecturing at courses for the improvement of communication workers' skills. They avoid as far as possible the use of complicated methods of mathematical analysis. The subject of radio relay lines has only recently been introduced into the curriculum of electrical communications tekhnikums, and this work represents the first textbook in the field. The Introduction and Chapters I, II, VII, and VIII were written by S.V. Borodich; Sections 1, 2, 8, 9, 10, and 11 of Chapter III, and Chapter IV by V.P. Minashin; Sections 3, 4, 5, 6, 7, and 12 of Chapter III, and Chapters VI and IX and the Appendix by A.V. Sokolov. The whole work was written under the

Radio Relay (Cont.) SOV/3550

. general supervision of S.V. Borodich. There are 47 references, all Sovi

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KOTEL'NIKOV, V.A.; APRAKSIN, L.V.; VOYTOV, V.O.; GOLUBTSOV, M.G.; DUBROVIN, V.M.; ZAYTSEV, N.M.; KORENBERG, Ye.B.; MINASHIN, V.P.; MOROZOV, V.A.; NIKITSKIY, N.I.; PETROV, G.M.; RZHIGA, O.N.; SHAKHOVSKOY, A.M.

Radar system used in the Venus probe of 1961. Radiotekh. i elektron. 7 no.11:1851-1859 N '62. (MIRA 15:11)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Radar)
(Venus probes)

KOTEL'NIKOV, V.A., akademik; DUBROVIN, V.M.; KISLIK, M.D.; KORENBERG, Ye.B.; MINASHIN, V.P.; MOROZOV, V.A.; NIKITSKIY, N.I.; PETROV, G.M.; RZHIGA, O.N.; SHAKHOVSKOY, A.M.

Radar observation of Venus. Dokl.AN SSSR 145 no.5:1035-1038 '62. (MIRA 15:8)

1. Institut radiotekhniki i elektroniki AN SSSR.
(Radio astronomy) (Venus (Planet))

KOTEL'NIKOV, V. A., akademik; GUS'KOV, G. Ya.; DUBROVIN, V. M.; DUBINSKIY, B. A.; KISLIK, M. D.; KORENBERG, Ye. B.; MINASHIN, V. P.; MOROZOV, V. A.; NIKITSKIY, N. I.; PETROV, G. M.; PODOPRIGORA, G. A.; RZHIGA, O. N.; FRANTSESSON, A. V.; SHAKHOVSKOY, A. M.

Radar tracking of the planet Mercury. Dokl. AN SSSR 147 no.6: 1320-1323 D '62. (MIRA 16:1)

1. Institut radiotekhniki i elektroniki AN SSSR.

(Mercury(Planet)) (Radar in astronomy)

MINASHIN, V.P.

Design of limiters using transistor diodes. Elektrosviaz' 17 no.11:12-17 N '63. (MIRA 17:1)

MYNKIN, P.V.; MINASHIN, V.V.; AGAFONOV, A.A.

Automatic line of three machine tools for machining ferodo brake disks. Avt.prom. 30 no.1:31-32 Ja '64. (MIRA 17:3)

1. Moskovskiy avtozavod imeni Likhacheva.

MYNKIN, P.V.; AGAFONOV, A.A.; MINASHIN, V.V.

Introducing automatic line based on modernized machine tools. Biul. tekh.-ekon.inform.Gos.nauch.-issl.inst. nauch.i tekh.inform. 18 no.6:39 Je '65. (MIRA 18:7)

DINASHIA, V.YE.

PHASE I BOOK EXPLOITATION SOV/5396

Akademiya nauk SSSR. Energeticheskiy institut

Teploobmen i issledovaniye teplovykh (Convection and Radiation Heat Exchange) Moscow, Izd-vo AN SSSR, 1960. 254 p. Errata slip inserted. 3,200 copies printed.

Ed.: N.A. Nikolayev, Academician; Ed. of Publishing House: G.B. Gershkovich; Tech. Ed.: V.V. Krugel'.

PURPOSE: The book is intended for scientists and engineers working in various branches of science and industry concerned with thermodynamics and heat transfer problems.

COVERAGE: The book consists of 19 original articles on various problems in thermodynamics. The following subjects are discussed: mechanism of heat transfer processes, intensification of heat exchange, determination of thermophysical properties of operating media, heat transfer in supersonic flow of gas, and combustion chambers and nuclear reactors. Theory and experimental techniques are described. Each article describes the conditions of the experiment and tables of the experimental data obtained are given. The data may be used for calculations of heat transfer and heat exchangers, always taking account of

Nikolayev, N.A., S.S. Filimonov, and B.A. Khrustalev. Investigation of Heat Exchange and Hydraulic Resistance of Water Moving in Pipes 33

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Filimonov, S.S., and B.A. Khrustalev. Calculation of Heat Exchange and Hydraulic Resistance in Laminar Motion of Fluids in Pipes 221

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AVAILABLE: Library of Congress

ACCESSION NR: AP4004145 S/0294/63/001/002/0238/0246

AUTHORS: Subbotin, V. I.; Minashin, V. Ye.; Deniskin, Ye. I.

TITLE: Heat transfer in flow across banks of tubes

SOURCE: Teplofizika vy*sokikh temperatur, v. 1, no. 2, 1963, 238-24(

TOPIC TAGS: heat transfer, liquid metal, transverse flow, reactor coolant, heat exchanger, coolant, thermal conductivity

ABSTRACT: A brief review is presented of heat exchange research on transverse flow of water and liquid metal over bundles of tubes, carried out at the Fiziko-energeticheskiy institut (Physics and Power Engineering Institute) in 1958--1962. The measurement procedures are briefly described. The results are summarized as follows: 1. The wall temperature of the heat-releasing tube varies with time and the temperature pulsations are due to instability of liquid flow. 2. The average heat transfer coefficient for pure liquid metals can be calculated accurate to ±30%, for a wide range of different tube-bundle geometries, from the formula $Nu = Pe^{0.5}$ (Pe = 150--7,000), where the average velocity is calculated in the narrow sec-

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ACCESSION NR: AP4004145

tion of the bundle, and the linear dimension is chosen to be the tube diameter. 3. The relative temperature profile varies little over the perimeter of the tube with variation of the bundle geometry and rate of coolant flow. 4. The wall temperature pulsations are assumed to be due to instability of some layer next to the wall. 5. The temperature pulsations depend strongly on the bundle geometry. 6. The relative pulsations depend little on the velocity. It is therefore recommended that until more detailed research is made each individual bundle be characterized by the maximum temperature pulsation. 7. The temperature pulsations depend linearly on the heat flow when the physical properties change little. 8. The temperature pulsation frequency increases with increasing velocity and ranges from 0.01 to 5 cps. 9. Below 0.5 or 1 cps the temperature pulsations depend little on the tube material and vary little over the thickness (2 mm). 10. Insulating films affect temperature pulsations with frequencies lower than 0.5 cps little, and the temperature gradient changes in this case by a factor 2--3. 11. The character of the temperature pulsations depends strongly on the bundle

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ACCESSION NR: AP4004145

geometry and on the velocity. 12. The absolute values of the temperature pulsations are nearly the same for flow of water or liquid metal. Orig. art. has: 6 figures, 4 formulas, and 1 table.

ASSOCIATION: Fiziki-energeticheskiy institut (Physics and Power Engineering Institute)

SUBMITTED: 11Jun63 DATE ACQ: 26Dec63 ENCL: 00

SUB CODE: PR, AI NO REF SOV: 013 OTHER: 009

Card 3/3

MINASHINA, N. G.

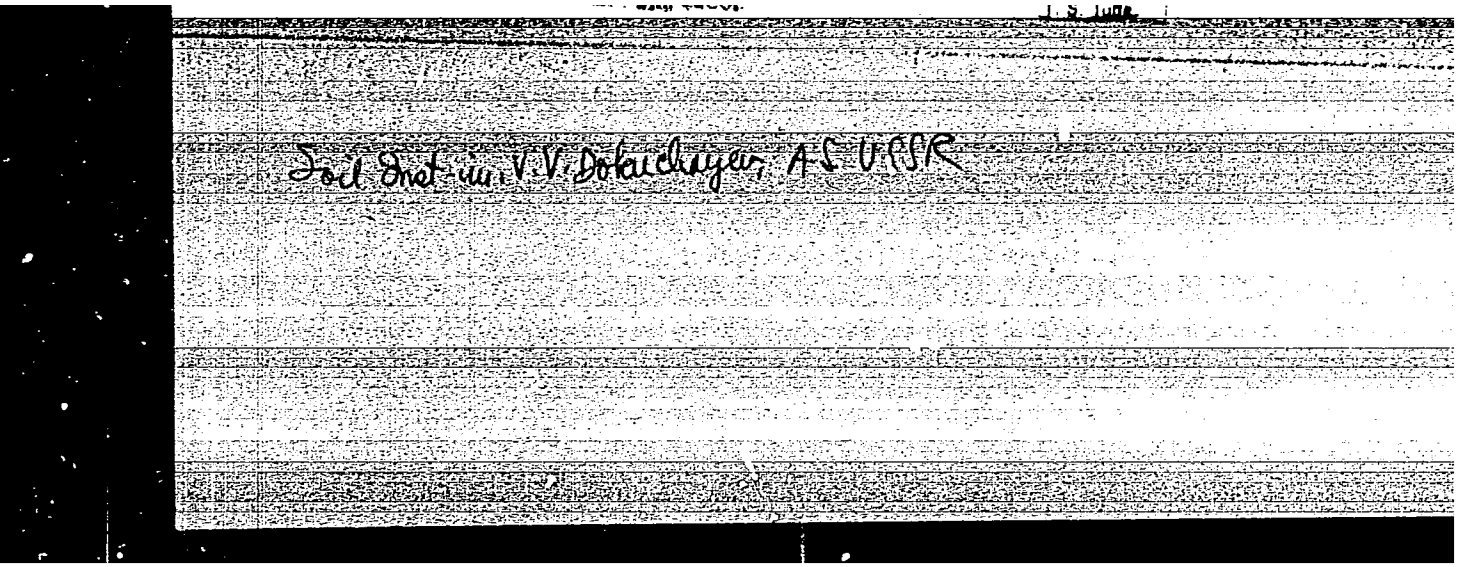
MINASHINA, N. G. -- "Gray-Brown 'gazha' (Gypsum-Containing) Soil of the Kirovabad Massif of the Azerbaydzhan SSR." Acad Sci USSR. Soil Inst imeni V. V. Dokuchayev. Moscow, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

MINASHINA, N. G.

Gray-brown gypsum-bearing soils of the Kirovabad region. N. G. Minashina. *Pochvovedenie* 1956, No. 11, 19–28.—In the surface meter of soils rich in gypsum, its content may be as high as 30–60%. Such soils are found in the Transcaucasia and in Middle Asia. They seem to form from ancient mountain stream deposits carrying rock debris containing compounds, such as pyrites and other minerals in association with $CaCO_3$.

J. S. Iuffa.



MINASHINA, V.G.

Optically oriented clays in soils [with summary in English].
Pochvovedenie no.4:90-96 Ap '58. (MIRA 11:5)

1.Pochvennyy institut im. V.V. Dokuchayeva AN SSSR.
(Soil physics) (Clay)

MINASHINA, N.G.

Gray-brown gypsum-bearing soils of the Kirovabad massif, Azerbaijan S.S.R. Trudy Pochv. inst. 54:151-254 '58. (MIRA 12:1)
(Kirovabad District--Soils)
(Gypsum)

ROZANOV, A.N.; YAKUBOV, T.F.; MINASHINA, N.G.

In the United Arab Republic (Egypt). Pochvovedenie no. 5:112-115 My '61. (MIRA 14:5)

1. Pochvennyy institut imeni V.V. Dokuchayeva AN SSSR.
(United Arab Republic—Soils)

TRAPEZNIKOV, F.F.; MINASHINA, N.G.; TOPALOV, G.M.

First results of the reclamation of new lands in the Murgab Oasis.
Izv.AN Turk.SSR.Ser.biol.nauk no.3:28-33 '62. (MIRA 15:9)

1. Institut pustyn' AN Turkmenskoy SSR.
(MURGAB OASIS--RECLAMATION OF LAND)

MINASHINA, N.G.

Soils of the Murgab Oasis, irrigated in the past. Pochvovedenie no.8:24-35 Ag '62. (MIRA 16:1)

1. Pochvennyy institut imeni V.V.Dokuchayeva.
(Murgab Oasis--Soils)

MINASHINA, N.G.

Secondary Solonchak soils in oasis of ancient irrigation. Pochvovedenie no.3:36-50 Mr '63. (MIRA 16:3)

1. Pochvennyy institut imeni V.V.Dokuchayeva.
(Murgab Oasis--Solonchak soils)

MINASHINA, N.G.; Prinimali uchastiye: TURSINA, T.V.; VINOGRADOVA, L.K.

Salinization and the necessity for the improvement of the soils irrigated in the past in the zone of the Karakum Canal. Pochvovedenie no.2:9-21 F '64. (MIRA 17:3)

1. Pochvennyy institut imeni V.V.Dokuchayeva AN SSSR.

MINASHINA, N.G.; SKRYNNIKOVA, I.N.

Problems of sc'l improvement at the 8th International Congress of Soil Scientists in Bucharest. Pochvovedenie no.5:98-101 My '65. (MIRA 18:5)

SEREBRYAKOV, L.P.; VOLODCHENKO, K.G.; MINASHKIN, M.A.Prinimali uchastiye: TITOV, N.A.; PROSELKOV, N.L.; MINAYEV, I.Z.; NIKOLAYEV, S.V.; SAMOYLOVA, V.F.; SIDOROVA, L.P.; FOMIN, V.F., red. vypuska; BOBRYSHEV, A.T., red. vypuska; CHAPOVSKIY, Ye.G., red. vypuska; POSPELOVA, A.M., red. izd-va; GUROVA, O.A., tekhn. red.

[Collection of unified district estimates for geological prospecting] Sbornik edinykh poraionnykh edinichnykh rastsenok na geologorazvedochnye raboty. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. No.2. [Hydrogeology and geological engineering] Gidrogeologicheskie i inzhenerno-geologicheskie raboty. 1960. 91 p. (MIRA 14:12)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. 2. Ministerstvo geologii i okhrany nedr SSSR (for Titov, Nikolayev).

(Prospecting)

MINASHKIN, M. A.

Improve the methods of determining the needs of geological organizations for equipment and supplies. Razved. i okh. nedr 28 no.6:18-21 Je '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

(Prospecting—Equipment and supplies)

MINASHKIN, V. I.

"Effect of Fertilizer Application on the Potato Crop and Its Seed Quality at Various Times During Yearly Planting in the Central Chernozem Oblasts of the USSR." Cand Agr Sci, Sci Res Inst of Potato Economy, Moscow, 1953. (RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

MINASHKIN, V.I.

COUNTRY : USSR M

CATEGORY : Cultivated Plants. Potatoes. Vegetables. Cucurbits.

ABS. JOUR. : Ref Zhur-Biologiya, No. 3, 1959, No. 1659

AUTHOR : Minashkin, V.I.

INST. :

TITLE : New Plant Varieties for Hothouse Soil.

ORIG. PUB. : Mosk. Kolkhoznik, 1958, No.2, 20-21

ABSTRACT : In comparative experiments with hot house cucumbers of Klinskiy Mestnyy and Monoplodnyy VSKhV* selected from the ordinary local Klinskiy variety, the crop of the second variety comprised 30.6-31.1 kg/m², and the Klinskiy variety 23.4-26.2 kg. In the first hot rotation tomatoes the Novocherkasskiy (the crop with beds of 12 kg) and Nerosliyy (10 kg) varieties were tested. The crop in the second hot rotation was: Nerosliyy 12.[illegible] kg, Novocherkasskiy 11.9 kg,

* All-Union Agric. Exhibition

CARD: 1/2

RUMANIA/Physical Chemistry. B

Abs Jour: Ref Zhur-Khim., No 1, 1959, 286.

Author : Barcanescu V., Minasian H.
Inst :
Title : Silica As a Raw Material for the Preparation of Semi-Conductors.

Orig Pub: Rev, Chim., 1958, 9, No 2, 71-77.

Abstract: Series of theoretical aspects are cited and a description for the preparation of semi-conductors and their characteristics are given. Preparation of silica by two methods is described : By the reduction of SiO_2 with Al and Mg, and by the reduction of $SiCl_4$ in a liquid or gaseous phase; the reagents used and the operating conditions are mentioned. -- Author's resume.

Card : 1/1

RUMANIA / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11489.

Author : Barcanescu, V., Minasian, H.
Inst : Not given.
Title : Determination of Boron in Silica.

Orig Pub: Rev. chim., 1958, 9, No 6, 316-318.

Abstract: There is described a photometric method of the determination of B with the aid of carmine. The interaction of carmine with compounds of B in a sulphuric acid medium produces a blue color, which conforms to the Bear's law for the concentration of B up to 1 γ /ml. The color develops its maximum intensity in 45 minutes, and is stable for 24 hours. Pb, Zr and Mo do not interfere. Because sulphuric acid precipitates SiO_2, which

Card 1/3

RUMANIA / Analytical Chemistry. Analysis of Inorganic Substances. F

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11489.

Abstract: absorbs the borates readily, it is necessary, therefore, to separate, first of all, B from SiO_2. To a finely pulverized analyzable specimen, 4 ml of a 5% solution of NaOH are added, and the mixture is evaporated to dryness; this operation is repeated several times. Five ml and 25 ml of CH_3OH are added to the residue (at this time, coagulation of Na_2SiO_3 sets in), and it is passed through a white ribbon filter. The precipitate is treated once more with the solution of NaOH (1 ml) and water (4 ml) to extract the precipitated Na_3BO_3 and is filtered through. For the complete separation of SiO_2, the entire filtrate is evaporated to dryness; 1 ml of water, 25 ml of CH_3OH and 2 ml of concentrated H_2SO_4 are added to

Card 2/3

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DOLLEZSAL, N.A. [Dollezhal, N.A.]; KRASZIN, A.K. [Krasin, A.K.]; GALANYIN, N.A. [Galanin, N.A.]; ALESCSENKOV, P.I. [Aleshchenkov, P.I.]; GRIGORJANC, A.N. [Grigoryants, A.N.]; JEMELJANOV, I.Ja. [Yemelyanov, I.Ya.]; KUGUSEV, N.M. [Kugushev, N.M.]; MINASIN, M.E.; MITYAJEV, U.I. [Mityayev, U.I.]; FLORINSZKIJ, B.V. [Florinskiy, B.V.]; SARAPOV, B.N. [Sharapov, B.N.]; ILLY, Jozsef [translator]

Superheated high-pressure steam producing uranium - graphite reactor. Atom taj 2 no.1:1-47 Ja '59.

MINASOV, V.S.

Organization of cancer aid in USSR. Sovet.med. no.4:38 Apr 51.
(CLML 20:8)

1. Based on materials of the Collegium of the Ministry of Public Health USSR.

MINASOV, V. S.

Effect of radioactive phosphorus in the skin in rabbit; preliminary communication. Vest. vener., Moskva no.1:16-20 Jan-Feb 1953.
(CLML 24:2)

MINASOV, V.S.

Some results of carrying out decisions of the ninth session of the general assembly of the Academy of Medical Sciences of the U.S.S.R. Vest. AMN SSSR 11 no.2:77-84 '56. (MLRA 9:8)
(ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R.)

MINASOV, V.S.

BONDARENKO, P.P.; MINASOV, V.S.

A new international medical magazine, "Living conditions and health." Vest. AMN SSSR 12 no.1:90-94 '57 (MLRA 10:5)
(PUBLIC HEALTH--PERIODICALS)

MINASOV, V.S.

BAGDASAROV, A.A., professor; MINASOV, V.S.

Basic problem in radiation injuries; from material of the eleventh session of the general meeting of the Academy of Medical Sciences of the U.S.S.R. Vest. AMN SSSR 12 no.4:39-45 '57. (MIRA 10:10)

1. Deystvitel'nyy chlen AMN SSSR (for Bagdasarov)
(RADIATION SICKNESS)

MINASOV, V.S.

Effect of certain antihistaminics and soporifics on skin reactions to local irradiation with radiophosphorus. Vest.rent. i rad. 33 no.3:76-79 My-Je '58 (MIRA 11:8)

1. Is TSentral'nogo kozhno-venerologicheskogo instituta (dir. - kand.med. nauk N.M. Turanov) i kafedry kozhnykh i venericheskikh bolezney (zav. chlen-korrespondent AMN SSSR prof. V.A. Rakhmanov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(PHOSPHORUS, radioactive,
eff. on skin, eff. of amobarbital & diphenhydramine on reactive rabbits (Rus))
(SKIN, eff. of radiations,
radiophosphorus, eff. of amobarbital & diphenhydramine on reactivity in rabbits (Rus))
(AMOBARBITAL, effects,
on skin reaction to radiophosphorus in rabbits (Rus))
(DIPHENHYDRAMINE, effects,
same (Rus))

MINASOVA, N.

Results of the all-Russian competition. Sov. torg. 36 no.4:55-59 Ap '63. (MIRA 16:5)

(Show windows)

MINASYAN, A.A.

Concerning T.P. Musatov's article "Are auxiliary windings in power transformers needed?" Elek. sta. 31 no.9:82 S '60.
(MIRA 14:10)

(Electric transformers--Windings)
(Musatov, T.P.)

1. PANOSYAN, A. K.; MINASYAN, A. I. ; TARAYAN, Sh. S.; ARUTYUNYAN, R. Sh.

2. USSR (600)

4. Botany - Ecology

7. Problem of interaction of certain crop rotation plants and microorganisms of the soil. Mikrobiol.sbor. no. 6, 1951.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

KAZARYAN, V.O.; MAKHATADZE, L.B.; MINASYAN, A.I.

Origin of Oriental oak with a spherical crown from a tree with a regular shape of crown. Izv.AN Arm.SSR.Biol.i sel'khoz. nauki 6 no.10:3-8 '53. (MLRA 9:8)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR.
(Oak) (Botany--Variation)

MINASIAN, A.I.

F-3

USSR /Microbiology. Soil Microbiology.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35604

Author : Minasian, A.I.

Title : The Role of Vegetation and Microflora in the Bottom-Soils of Lake Sevan.

Orig Pub: Izv. AN ArmSSR, biol, i s.-kh. n., 1956, 9, No. 2, 23-26

Abstract: The author studied the bottom-soils, which are sand and loose sand outcroppings. It was discovered that in sandy bottom-soils the composition of the microflora and the microbiological processes vary greatly from year to year. The size of the quantity of microorganisms and their vital activity is noted to be in dependence on the improvement of the extraneous conditions of

Card 1/2

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35604

the surroundings. A seasonal fluctuation was noted. A great influence on the increase of the total quantity of micro-organisms and physiological groups was shown to be the natural vegetative cover, particularly leguminous plants together with cereals. The quantitative variability of micro- and macroflora in turn assists in the retention and construction of bottom soils in which there is noted an accumulation of humus, total nitrogen and other nourishing matter. The cultivation of only grain and other field cultures and a yearly tillage in the first years after the exposure of a sandy bottom soil has a negative influence on its biological and soil-forming processes.

USSR/Cultivated Plants. Fruits. Berries. M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68375

Author : Minasyan, A. I., Malbandyan, A. D., Makrosyan, G. Ye.

Inst : Armenian Scientific Research Institute of Viniculture, Wine Production, and Fructiculture.

Title : The Effect of Fertilizers on the Microbiological Activity of Vineyard Soils.

Orig Pub : Byul. nauchno-tekhn. inform. Arm. n.-i. in-ta vinogradarstva, vinodeliya, i plodovodstva, 1957, No 1, 17-20

Abstract : Azotobacter is common everywhere in the soils of vineyards of the Araksa Lowland, and also, the atmospheric N is fixated intensively on

Card : 1/2

MINASYAN, A.I., kand. biol. nauk.

Work results of the Armenian Institute of Viticulture, Wine Making and Fruit Culture. Agrobiologiia no.6:141-143 N-D '58.
(MIRA 12:1)

1.Armyanskiy institut vinogradarstva, vinodeliya i plodovodstva, g. Yerevan.
(Armenia--Fruit culture) (Armenia--Viticulture)

MINASYAN, A.I., kand.biologicheskikh nauk; NALBANDYAN, A.D., kand. biologicheskikh nauk

Microflora of semidesert stony "Kirov" soils and their change under cultivation. Agrobiologiia no.6:842-848 N-D '61. (MIRA 15:2)
(Micro-organisms)
(Sandy soils)

MINASYAN, A.I.; NALBANDYAN, A.D.; KARAPETYAN, O.A.

Microflora of the root system of grapevines under conditions prevailing in gravely semidesert soils ("kirs"). Izv. AN Arm. SSR. Biol. nauki 14 no.9:39-46 S '61. (MIRA 14:9)

1. Laboratoriya pochvennoy mikrobiologii Instituta vinogradarstva, vinodeliya i plodovodstva Ministerstva sel'skogo khozyaystva Armyanskoy SSR.
(ARMENIA--GRAPES) (RHIZOSPHERE MICROBIOLOGY)

MINASYAN, A.J.; NALBANDYAN, A.D.

Effect of azotobacterin on the rooting and growth of grape cuttings. Dokl. AN Arm. SSR 41 no. 4:251-255 '65
(MIRA 19:1)

1. Botanicheskiy institut AN Armyanskoy SSR.

DAVTYAN, G.S.; MINASYAN, A.K.; BABAKHANYAN, M.A.

Utilization of the bactericidal action of erythemal lamps for sterilizing nutritional solutions in hydroponics. Izv. AN Arm. SSR. Biol. nauki 16 no.9 95-97 S '63 (MIRA 17:7)

1. Laboratoriya agrokhimii AN Armyanskoy SSR.

MINASYAN, A.K.

Origin of rye as a field weed. Preliminary report. Izv.AN Arm.SSR. Biol.i sel'khoz.nauki 6 no.6:3-17 '53. (MLRA 9:8)

1. Institut genetiki i selektsii rasteniy AN Armyanskoy SSR.
(Armenia--Wheat) (Rye) (Transmutation of plants)

MINASYAN, A.K.; KHLGATYAN, A.Kh.

Cultivation of hard wheat in the Armenian S.S.R. Izv.AN Arm.SSR. Biol.i sel'khoz.nauki 7 no.4:3-13 Ap '54. (MLRA 9:8)

1. Institut genetiki i selektsii rasteniy AN Arm. SSR.
(Armenia--Wheat)

MIRASYAN, A.K.

Some data on the variability of barley during its phylogenetic development. Izv.AN Arm.SSR.Biol.i sel'khoz. nauki 9 no.10:15-33 O '56. (MLRA 9:12)

1. Institut genetiki i selektsii rasteniy Akademii nauk Armyanskoy SSR.
(Barley)

MINASYAN, A.K.; SEVRUK, O.G.

Studying the brewing qualities of Armenian barleys. Izv.AN Arm.SSR.Biol.nauki 12 no.7:23-31 Jl '59. (MIRA 12:10)

1. Institut zemledeliya Ministerstva sel'skogo khozyaystva Armyanskoy SSR.
(ARMENIA--BARLEY--VARIETIES) (MALT)

MINASYAN, A.K.; GULKANYAN, V.O., akademik, otv. red.; MANVELYAN, A., tekhn. red.

[Barleys of Armenia]IAchmeni Armenii. Erevan, Armsel'khozgiz, 1961. 200 p. (MIRA 15:12)
(Armenia--Barley)

MINASYAN, A. M

Paronyan, R. and Minasyan, A. - "On the medical utilization of blood plasma in conjunction with vitamin K in surgical practice," Stornik nauch. trudov (in-t gematologii i perelivaniya krovi. Fak. khirurg. klinika Yerevansk. med. in-ta), III, 1948, p. 31-39

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

MINASYAN, A. M.

Minasyan, A. M. - "On the problem of the application of oxygen in surgery," Sbornik nauch. trudov (In-t gematologii i perelivaniya krovi. Fak. khirurg. klinika Yerevansk. med. in-ta), III, 1948, p. 177-95

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

MINASYAN, A. M.

USSR/ Medicine - Literature
Surgery

Aug 49

"Collected Scientific Works of the Institute of Hematology and Blood Transfusion and Faculty Surgical Clinic of Yerevan Medical Institute, Vol III," Armgiz, 1948, 1/8 p

"Khirurgiya" No 8

The 17 works include: R. Paronyan and A. Minasyan on the use of blood plasma and vitamins in surgery, S. M. Galstyan on ulcer of the stomach and duodenum and on "Treatment of Suppurative Processes in the Lungs and Pleura Resulting From Gunshot Wounds," A. S. Oganesyan on "Treating of Soft Tissue Wounds With Sulfa-Naphthalene Oils."

PA 1/50T63

MINASYAN, A.M.

Utilization of exudates of the joints and synovial bursae in serological diagnosis of surgical manifestations of brucellosis. Klin. med. 32 no.8:48-51 Ag '54. (MLRA 7:10)

1. Iz kafedry gospital'noy khirurgii (zav. prof. I.Kh.Gevorkyan) Yerevanskogo meditsinskogo instituta.

(BRUCELLOSIS, diagnosis,
serol. exam. of exudates from synovial membranes & joints)
(EXUDATES AND TRANSUDATES,
joint & synovial membranes serol. in brucellosis)

MINASYAN, A.M.

Mastitis caused by brucellosis. Sov.med. 21 no.2:94-96 F '57.
(MLRA 10:6)

1. Iz kafedry gospital'noy khirurgii (zav. - prof. I.Kh.Gevorkyan) Yerevanskogo meditsinskogo instituta (dir. - dotsent G.A.Gevondyan)

(MASTITIS, etiol. and pathogen.
brucellosis)
(BRUCELLOSIS, compl.
mastitis)

MINASYAN, A.M., kand.med.nauk (Yerevan, Arm. SSR., ul. Proshyana, d. 121)

Exudative brucellar tendovaginitis. Nov.khir.arkh. no.3:103-105 My-Je '58 (MIRA 11:9)

1. Kafedra gospital'noy khirurgii (zav. - prof. I.Kh. Gevorkyan) Yerevanskogo instituta.
(TENDONS--DISEASES)
(BRUCELLOSIS)

DRAMPYAN, F.S., kand.med.nauk; MINASYAN, A.M., kand.med.nauk (Yerevan)

Exudative pleurisy of brucellar origin. Klin.med. 38 no.10:112-114 O '60. (MIRA 13:11)

1. Iz propedevticheskoy terapevticheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR i AN Armyanskoy SSR prof. L.A. Oganesyan) i gospital'noy khirurgicheskoy kliniki (zav. - prof. I.Kh. Gevorkyan) Yerevanskogo meditinskogo instituta.
(PLEURISY) (BRUCELLOSIS)

MINASYAN, A.M., kand.med. nauk (Yerevan, ul. Proshyana, d.121)

Casuistics of embryonal hernias. Vest. khir. 91 no.7:79 Jl '63 (MIRA 16:12)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. I.Kh.Gevorkyan) Yerevanskogo meditsinskogo instituta.

MINASYAN, A.M.

Regional ileitis. Zhur. eksp. i klin. med. 5 no.3:90-95 '65.
(MIRA 19:1)

SARUKHANYAN, V.O., prof.; MINASYAN, A.O., kand.med.nauk; SARKISYAN, Ya.Kh., kand.med.nauk; MIRZA-AVAKYAN, G.L.; TATKALO, I.V.; AYRAPETYAN, L.N.

Stomach cancer as per data of Erevan clinics and the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian S.S.R. for 1949-1957. Vop.rent.i onk. 6:221-231 '61. (MIRA 16:2)

(ERIVAN--STOMACH--CANCER)

MINASYAN, A.O.

Some anomalies in extrahepatic bile ducts. Zhur. eksp. i klin. med. 3 no.2: 89-95'63. (MIRA 16:10)
(BILE DUCTS — ABNORMITIES AND DEFORMITIES)

MINAS'YAN, A.P., massazhistka

Facial massage in paresis of the facial nerve. Med. sestra 19 no.5:29-32 My '60. (MIRA 13:9)

1. Iz 1-y poliklinikiChetvertogo Glavnogo upravleniya pri Ministerstve zdravookhraneniya SSSR, Moskva.
(PARALYSIS, FACIAL) (MASSAGE)

S/153/60/003/005/011/016
B013/B058

AUTHOR: Minasyan, A. S.

TITLE: Continuous Technology of Contact-catalytic Processes

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 5, pp. 908-914

TEXT: This paper was presented to the All-Union Conference "Ways of Synthesizing Initial Materials for the Production of High Polymers" held at Yaroslavl' from September 29 to October 2, 1958. Problems of conversion of periodically operating installations to continuously operating ones are dealt with in this study. This problem was studied by the author on the example of isoprene production by decomposition of 4,4-dimethyl dioxane. This process was elaborated by M. I. Farberov (Ref. 1) on an enlarged catalyst in a periodically operating contactor, and proposed for industrial purposes. Further studies concerning the development of continuous processes were pursued by using pulverized catalysts. The catalyst of the type КСД (KSD) was ground in a ball mill, and divided into fractions. The fraction 60 - 100 mesh is best suited for laboratory

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experiments. Gas-dynamic conditions were studied on a cold model in suspended contact charge, critical velocities being established in the range of 7-20 cm/sec. The pulverized catalyst was tested for its hardness and mechanical strength. These characteristics indicate its applicability in moving systems. A contactor consisting of an electrically heated quartz tube (Fig. 1) was used for the experiments. The molar ratio between water vapor and dioxane was 1 : 13 for all experiments. The experiments were made at atmospheric pressure with equal amounts of catalyst (20 ml). Temperature was maintained within the optimum range, which was determined for a stationary charge with coarse catalyst. The experiments showed that the yield of the product is increased and the contact duration shortened by the contact of the disperse phase with the pulverized catalyst. The efficiency of the apparatus is thus multiply increased. On the basis of his practical experience of many years, the author made the following statements concerning the nature of continuously operating apparatus: the often preferred principle of the pseudoliquid charge cannot be used as a basis for the elaboration of continuous contact-catalytic processes, since the optimum yield cannot be maintained in an apparatus with a pseudoliquid catalyst charge. The principle of ideal displacement should be taken as

Continuous Technology of Contact-catalytic Processes

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B013/B058

a basis for developing a continuously operating apparatus for contact-catalytic processes. The design of a continuous apparatus with increased catalyst concentration in the contact zone might be extremely effective. The dependence of the critical suspension velocity on the volume velocity of the feeding of contact gas into the reaction zone is given in Table 1. The effect of temperature and contact duration on the isoprene yield is shown in Table 2. Academician Lebedev is mentioned. There are 1 figure, 2 tables, and 4 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut monomerov (Scientific Research Institute of Monomers). Yaroslavskiy tekhnologicheskiy institut (Yaroslavl' Technological Institute)

Card 3/3

MINASYAN, A.S.

Investigating the gas dynamics in the continuous flow contact in a dense catalyst bed. Khim. i khim. tekh. 1:303-314 '62.
(MIRA 17:2)

MINASYAN, A.S.

Gas dynamic mechanism of the transportation of powdered catalysts in an inclined flow reactor. Izv.vys.ucheb.zav.;khim.i khim.tekh. 5 no.2:331-335 '62. (MIRA 15:8)

1. Yaroslavskiy tekhnologicheskiy institut, kafedra obshchey khimicheskoy tekhnologii i tekhnologii lakov i krasok.
(Catalysts) (Gas dynamics)

MINASYAN, A.S.

Design of continuous-contact apparatus. Neftepер. i neftekhim. no.2:33-37 '63. (MIRA 17:1)

1. Yaroslavskiy tekhnologicheskiy institut.

1. MUSTEL', P. I.; YERMAKOV, V. K.; MINAS'YAN, B. P. Eng. (Reviewers)

2. USSR (600)

4. Mine Ventilation

7. "Mine Ventilation." A. Kh. Kzasokhov (author), Gor. Zhur. No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassifi

MINASYAN, G. A.

Minasyan, G. A.: "Supporting function following fractures of the tubular bones of the lower extremities," (Report), Trudy III Zakavkazsk. s"yezda khirurgov, Yerevan, 1948 (on cover: 1949), p. 380-386

SO: U-5240, 17 Dec. 53, (Letopis 'zhurnal 'nykh Statey, No. 25, 1949).

MINASYAN, G.A., dotsent; ASATRYAN, K.V., starshiy prepodavatel'; ARUTYUNYAN, G.A., starshiy prepodavatel'

Some data on dynamometry with indices for the force and static tolerance. Trudy Erev.med.inst. no.11:183-188 '60. (MIRA 15:11)

1. Iz kafedry fizicheskogo vospitaniya, lechebnoy fizkul'tury i vrachebnogo kontrolya (zav. kafedroy - dotsent G.A.Minasyan) Yerevanskogo meditsinskogo instituta.
(DYNAMOMETER)

MINASYAN, Gurgen Armenakovich, dots.; GEVORKYAN, I.Kh., spets. red.

[Methodology for the restitution of the locomotor function in fractures of the tubular bones] Metody vosstanovleniia opornoi funktsii pri perelomakh trubchatykh kostei. Erevan, Armianskoe gos. izd-vo, 1964. 86 p. (MIRA 17:12)

SADOYAN, V.S.; MINASYAN, G.A.; ASTRATSATRYAN, D.L.

Effect of motor regimen on the function of the cardiovascular system in patients with myocardial infarct. Zhur. eksp. i klin. med. 5 no.1:78-84 '65. (MIRA 18:10)

MINASYAN, G.A.

Results of testing spraying nozzles for orchards. Trudy VIZR no.20:51-56 pt.4 '64. (MIRA 18:12)

DEGTYAREVA, A.S.; MEYSAKHOVICH, Ya.A.; MINASYAN, G.D.; CHIZH, M.A.; SHELESTOVA, V.S.

Using the OPV sprayer in low-volume spraying of orchards. Zashch. rast. ot vred. i bol. 6 no.7:20-22 Jl '61. (MIRA 16:5)
(Spraying and dusting in agriculture)

31809
S/203/61/001/005/019/028
A006/A101

9.9130

AUTHOR: Minasyan, G. M.

TITLE: Ionospheric and geomagnetic effects of large chromospheric flares

PERIODICAL: Geomagnetizm i aeronomiya, v. 1, no. 5, 1961, 766 - 771

TEXT: On the basis of data obtained during the IGY the author investigated the velocity of particles ejected by the Sun during large chromospheric flares. This velocity was determined from abnormal absorption in the polar cap and the auroral zone. The behavior of particles during geomagnetic storms of SC type was studied. Materials of vertical sounding of the ionosphere were used, obtained at 64 stations of the northern hemisphere located within 12 - 90°N of geomagnetic latitude. The velocity of rapid particles was analyzed with the aid of the magneto-hydrodynamical theory of geomagnetic storms. From the zone of the solar flare, a plasma cloud is ejected which carries a "frozen-in" magnetic field. During the passage of the cloud through the coronal zone a type IV radioburst is generated as a synchrotronous radiation of relativistic electrons moving helically in the magnetic field of the cloud. Simultaneously high-energy particles may appear which arrive at the Earth before the cloud that causes the geomagnetic storm.

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Ionospheric and geomagnetic effects of...

The high-energy particles will penetrate into the polar ionosphere and produce additional ionization causing the type III abnormal absorption. It is possible that only the velocity of the most powerful particles which is of the order of 10^{10} cm/sec by the delay; the velocities are within a range of (0.3 - 3.0) . 10^{10} cm/sec. Experimental and theoretical dependence curves are plotted showing the shift of the southern boundary of the abnormal absorption zone. The author thanks N. P. Ben'kova and E. I. Mogilevskiy for their assistance. There are 4 figures, 2 tables and 13 references (3 Soviet-bloc and 10 non-Soviet-bloc).

ASSOCIATION: Institut geofiziki AN GruzSSR (Institute of Geophysics AS Georgian SSR)

SUBMITTED: August 4, 1961

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S/203/61/001/006/011/021
D055/D113

AUTHOR: Minasyan, G.M.

TITLE: Contribution to the problem of the nature of high-energy solar particles

PERIODICAL: Geomagnetizm i aeronomiya, v. 1, no. 6, 1961, 933-935

TEXT: The nature of high-energy particles emitted by the Sun during large chromospheric flares is studied. Ionospheric observations from 50 stations located in the northern hemisphere between ϕ 50 and 90°N made during the IGY are used to show that protons and heavier particles (helium, lithium, carbon, oxygen, sodium and calcium) may occur in the flows. Protons with energies of 350 mev and less penetrate to geomagnetic latitudes of 62-63°N and higher, while the heavier particles, with energies of several bev and less, can penetrate to lower latitudes as far as 56.3°N. Protons reaching a latitude of $\lambda \sim 64°$N must have an energy of 120-130 mev; their speed is $\sim 1.5 \cdot 10^{10}$ cm/sec, which corresponds to a journey of about 12 min

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Contribution to the problem ...

duration from the Sun to the Earth. The minimum delay of anomalous absorption relative to the flare is about 1 hour. This considerable delay may be accounted for by the scattering of particles on magnetic non-uniformities in space, in which case the particles' trajectory would be 5 times longer than the distance in a straight line, or by the hypothesis that the particles are caught in a corpuscular flow with a magnetic field and then somehow escape from it. There are 1 table, 1 figure and 17 references: 4 Soviet and 13 non-Soviet. The four most recent English-language references are: T. Obayashi, Y. Hakura, J. Geophys. Res., 1960, 65, 3143; J.H. Chapman. Canad. J. Phys., 1960, 38, 1195; H.R. Anderson. Phys. Rev., 1959, 116, 461; C.E. Fichtel, D.E. Guss. Phys. Rev. Letters, 1961, 6, 495.

ASSOCIATION: Institut geofiziki AN GruzSSR (Institute of Geophysics, AS Gruzinskaya SSR)

SUBMITTED: September 1, 1961

Card 2/2

MINASYAN, G.M.

Solar component of cosmic rays. A summary by G.M.Minasian. Geomag. i aer.1 no.6:1206-1207 N-D '61. (MIRA 15:2)
(Cosmic rays)

MINASYAN, G. N.: Master Med Sci (diss) -- "The clinical aspects and course of tuberculosis in young children vaccinated with dry BCG vaccine". Yerevan, 1958. 22 pp (Min Health Armenian SSR, Yerevan State Med Inst), 150 copies (KL, No 4, 1959, 131)

3,1700
3,1713

32042
S/035/61/000/011/013/028
A001/A101

AUTHORS: Sanamyan, V.A., Minasyan, G.S.

TITLE: The great interference radio telescope of the Byurakan Observatory

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 11, 1961, 52, abstract 11A386 ("Soobshch. Byurakansk. observ.", 1959, v. 27, 35-41, Armenian summary)

TEXT: This is the preliminary information on the completion of the first-priority construction of the Great interference radio telescope. Its 4 antennas are oriented in two mutually-perpendicular directions, North-South and East-West; they are shaped as parabolic cylinders and designed for operation on meter waves. The first series of observations will be conducted at the 3-m wavelength. The total area of radio telescope antennas is $\sim$4,400 m^2. It will attain 8,000 m^2 when the second-priority construction has been completed. Antennas can turn through 160° around the horizontal axis, and fixing is possible every 2°.5 starting from the South point. A more precise control of interference diagram is possible by changing electric lengths between the interferometer antennas oriented in the North-South direction. In the interferometer arms are used antennas of

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A001/A101

The great interference radio telescope ...

different dimensions in such a way that maxima of side lobes of one antenna should coincide with minima of lobes of the other antenna. Thereby the effect of side lobes will be suppressed considerably in observations by the method of phase switch. Errors in coordinate determination should not exceed 2-3' in either coordinate.

G. Tovmasyan

[Abstracter's note: Complete translation]

Card 2/2

MINASYAN, G. S.

"On Some Rules of Milling." Cand Tech Sci, Chair of the Technology of Machine Building, Yerevan Polytechnic Inst imeni K. Marks, Min Higher Education USSR, Yerevan, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

MIKASYAN, G.S., kandidat tekhnicheskikh nauk.

Relation between specific cutting forces and the radius of cutting-edge curvature in milling. Sbor.nauch.trud.ErPI no.10:19-27 '56. (MLRA 9:12)

1. Kafedra tekhnologii mashinostroyeniya Yerevanskogo politekhnicheskogo instituta.
(Cutting tools) (Milling machines)

MINASYAN, G.S., kand.tekhn.nauk

Microgeometry of a milled surface. Sbor. nauch. trud. ErPI no. 20:81-90 '59. (MIRA 14:5)
(Metal cutting) (Surfaces (Technology))

MINASYAN, I.

Improve the training of builders. Prof.-tekh.obr.13 no.9:29 S'56.
(MIRA 9:10)

1. Nachal'nik stroitel'nogo uchastka no.1, tret'yego stroitel'nogo upravleniya tresta "Azneftezavodstroy."

(Building trades--Study and teaching)

LORBERG, M.G., inzhener; MINAYEV, A.F. (Leningrad); SOTNIKOV, B.I.; ENGEL', B.V.; RADOSTAYEV, N.I.; VOROB'YEV, A.S.; [redacted] I.S.; BAKSHMYEVA, S.I. (Moskva); KOROCHANSKIY, V.K. (Moskva).

Combined work teams as an untapped resource in raising labor productivity. Stroi. prom. 33 no.11:5-14 N '55. (MLRA 9:2)

1.GPI Leningradskiy Promstroyproyekt (for Lorberg).2.Magnitostroy (for Sotnikov).3.Liskhimpromstroy (for Engel').4.Tagilstroy (for Radostayev).5.Trest Kaspmorstroy (for Vorob'yev). 6.Stroitel'noye upravleniye No.3 tresta Azbeftezavodstroy (for Minasyan).

(Construction industry)

MINASYAN, K.V.

Extraction determination of arsenic in ores. Zav. lab. 31 no.11:1326 '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy gorno-metallurgicheskiy institut.

SIFROSHVILI, N.A., starshiy nauchnyy sotrudnik; MINASYAN, L.G.

Readers' letters. Zashch. rast. ot vred. i bol. 9 no.2: 17 '64. (MIRA 17:6)

1. Gruzinskiy institut sadovodstva, vinogradarstva i vinodeliya, Tbilisi (for Sifroshvili). 2. Armyanskaya karantinnaya laboratoriya (for Minasyan).

MINASYAN, M. A.

30369

Iz opyta osvoyeniya novoy tyekhniki na zavodakh tryesta krasnod-arzhirmasdo. Pishch. Prom-st'. SSSR, Vyp. 13, 1949, S. 77-79.

SO: Letopis' No. 34

MINASYAN, M. A.

Dissertation: "Vegetable Oils and Animal Fats as the basis for the Production of Machine Oils." Cand Tech Sci, Krasnodar Inst of the Food Industry, Krasnodar 1953

W-30928

SO: Referativnyy Zhurnal, No. 5, Dec 1953, Moscow, AN USSR

MINASYAN, M.A.; PLYUSHKINA, E.Z.

Treatment of cottonseeds by the scheme: single pressing and continuous extraction. Masloboyno Zhirovaya Prom. 18, No.3, 7-9 '53. (MLRA 6:3) (OA 47 no.14:7238 '53)

MINASYAN, M.A., inzhener; FUKS, G.I., kandidat khimicheskikh nauk.

Fat base for fine lubricating oils. Masl.-zhir.prom. 18 no.6:15-16 Je '53. (MLRA 6:6)

1. Trest "Krasnodarzhirmaslo" (for Minasyan). 2. Nauchno-issledovatel'skiy institut chasovoy promyshlennosti (for Fuks).
(Lubrication and lubricants)